

<b>Prodema®</b> Made to last wooden Products	<h1 style="text-align: center;">TECHNICAL DATA SHEET</h1>			Doc.: FTPRODEXIGN
				Rev.: 010 – Feb 13
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MATERIAL	THICKNESS		SURFACE FINISH:	
PRODEX IGN	6 – 22 mm		SMOOTH	
TESTS	RESULTS	PROPERTY OR ATTRIBUTE	MESURE UNIT	STANDARD
<b>1. INSPECTION REQUIREMENTS</b>				
Colour, pattern and surface finish	Due to the fact that wood is a natural product, each veneer may be considered as unique. Colour and structure differences are considered as normal. Singularities such as knots and resin inclusions are not considered as defects, but as a part of the décor. There are differences in light fastness performances depending on the wood species and the source of the wood.			EN 438-8 Part 5.2.2.3
<b>2. DIMENSIONAL TOLERANCES</b>				
Thickness (t)	± 0,40 ± 0,50 ± 0,60 ± 0,70 ± 0,80	6,0 ≤ t < 8,0 8,0 ≤ t < 12,0 12,0 ≤ t < 16,0 16,0 ≤ t < 20,0 20,0 ≤ t < 25,0	mm	EN 438-2 Part 5
Flatness (1)	5,0 3,0	6,0 ≤ t < 10,0 10,0 ≤ t	mm/m	EN 438-2 Part 9
Length and width	+ 10 / - 0	----	mm	EN 438-2 Part 6
Edge straightness	1,5	----	mm/m	EN 438-2 Part 7
Edge squareness	1,5	----	mm/m	EN 438-2 Part 8
<b>3. PHYSICAL PROPERTIES</b>				
Dimensional stability at elevated temperatures	0,30 0,60	Longrain Crossgrain	% max.	EN 438-2 Part 17
Resistance to impact by large diameter ball	≥ 1.800	Maximum height for which no visible surface cracking or imprint greater than 10 mm (t ≥ 6 mm)	mm	EN 438-2 Part 21
Tensile strength	> 60	Longrain Crossgrain	MPa	EN ISO 527-2
Determination of graffiti resistance	Level 4 Level 4 Level 1 Level 2	Permanent blue marker Spray red paint Wax black crayon Water based ink black marker	Cleanability level	ASTM D 6578:2000
<b>4. WEATHER RESISTANCE REQUIREMENTS</b>				
Resistance to UV light	≥ 3 ≥ 4	Contrast Aspect	Grey scale rating Rating	EN 438-2 Part 28 Rating according to EN 20105 – A02
Resistance to artificial weathering (including light fastness)	≥ 3 ≥ 4	Contrast Aspect	Grey scale rating Rating	EN 438-2 Part 29 Rating according to EN 20105 – A02
<b>5. CE SAFETY REQUIREMENTS</b>				
Reaction to fire	B-s2,d0	Euroclass t ≥ 6 mm	Classification	EN 13501-1
Thermal resistance/ conductivity	0,220	Thermal conductivity (λ)	W/m K	EN 12664
Water vapour permeability	110 250	Wet cup method Dry cup method	μ	EN 438-7 Part 4.4
Resistance to fixings	> 2.000 > 3.000 > 4.000	Screw holding value for t = 6 mm Screw holding value for t = 8 mm Screw holding value for t ≥ 10 mm	N	EN 438-7 Part 4.5
Flexural strength	≥ 80 ≥ 80	Longrain Crossgrain	MPa	EN ISO 178
Flexural Modulus	≥ 9.000 ≥ 9.000	Longrain Crossgrain	MPa	EN ISO 178
Resistance to climatic shock	≥ 4 ≥ 0,95 ≥ 0,95	Appearance Flexural strength Elastic modulus	Rating Index Ds Index Dm	EN 438-2 Part 19
Density	≥ 1,35	Density	g/cm³	EN ISO 1.183
Resistance to wet conditions	≤ 8 ≥ 4	Moisture absorbed Appearance	% Rating	EN 438-2 Part 15

(1) Provided that the laminates are stored in the manner and conditions recommended by the manufacturer.